CLAIMS

1. A display system including a pointing device provided with motional information detecting means for detecting motional information including a motional direction and a movement amount of a pointing position in a first direction and in a second direction that crosses the first direction and a display device provided with motional information acquiring means for acquiring the motional information from the pointing device and a controller that controls so that a display position is moved based upon the acquired motional information, the display system comprising:

means for comparing the absolute value of a component in the first direction and the absolute value of a component in the second direction in relation to a motional direction included in the movement amount information first acquired and determining that the direction having the larger absolute value is a first moved direction of the display position.

2. A display system according to Claim 1, further comprising:

means for controlling so that weight in the first moved direction in a process for determining the next or subsequent motional direction is increased.

3. A display device in a display system according to Claim 1 or 2, further comprising:

movement amount monitoring means for monitoring a movement amount of the pointing position while it is determined that a motional direction is either of the first direction or the second direction; and

weight changing means for changing a value of the weight in case increase/decrease equal to or larger than a certain value is detected in relation to the component in the first direction or the component in the second direction as the movement mount of the pointing position.

4. A display device according to Claim 3, wherein:

the weight changing means is means for changing so that a direction in which a component increases is more greatly weighed.

5. A display device according to Claim 3 or 4 in a display system, comprising:

movement amount monitoring means for monitoring a movement amount of the pointing position while either the first direction or the second direction is determined as a motional direction; and

means for judging that a movement input is provided only in a direction that crosses a determined direction in case the absolute value of a motional component in the determined direction decreases by fixed width and a motional component in the direction that crosses the determined direction is detected.

6. A display device related to a pointing device provided with motional information detecting means for detecting motional information including a motional direction and a movement amount of a pointing position in a first direction and in a second direction that crosses the first direction in relation to the pointing position, comprising:

motional information acquiring means for acquiring the motional information from the pointing device;

a controller that controls based upon the acquired motional information so that a display position is moved; and

means for comparing the absolute value of a component in the first direction and the absolute value of a component in the second direction in relation to the motional direction included in the movement amount information first acquired and determining that the direction having the larger absolute value is a first moved direction of the display position.

7. A display device according to Claim 6, further comprising:

means for weighing the first moved direction in a process for determining the next or subsequent motional direction.

8. A pointing device provided with motional information detecting means for detecting motional information including a motional direction and a movement amount of a pointing position in a first direction and in a second direction that crosses the first direction in relation to the pointing position and related to a display device for presentation, comprising:

motional information acquiring means for acquiring the motional information from the pointing device;

a controller that controls based upon the acquired motional information so that a display position is moved; and

means for comparing the absolute value of a component in the first direction and the absolute value of a component in the second direction in relation to a motional direction included in the movement amount information first acquired and determining that the direction having the larger absolute value is a first moved direction of the display position.

9. A display system including a pointing device provided with motional information detecting means for detecting the angular velocity information of a pointing position in a first direction and in a second direction that crosses the first direction and a display device provided with motional information acquiring means for acquiring the motional information from the pointing device and a controller that controls based upon the acquired motional information so that a display position is moved, comprising:

means for comparing the absolute value of a component in the first direction and the absolute value of a component in the second direction in relation to a motional direction included in the movement amount information first acquired and determining that the direction having the larger absolute value is a first moved direction of the display position.

10. A display system according to Claim 9, further comprising:

means for weighing the first moved direction in a process for determining the next or subsequent motional direction.

11. A display device in a display system according to Claim 9 or 10, wherein:

the motional information detecting means is further provided with movement amount monitoring means for also monitoring a movement amount of the pointing position while it is determined that a motional direction is either the first direction or the second direction; and

weight changing means for changing a value of weight in case increase/decrease equal to or larger than a certain value related to a

component in the first direction or a component in the second direction in relation to a movement amount of the pointing position is detected is provided.

12. A display device according to Claim 11, wherein:

the weight changing means is means for more greatly weighing a direction whose component increases.

13. A display device according to any of Claims 10 to 12, comprising:

movement amount monitoring means for also monitoring a movement amount of the pointing position while it is determined that a motional direction is either the first direction or the second direction; and

means for judging that a movement input is provided only in a direction that crosses a determined direction in case the absolute value of a component of the determined direction decreases by fixed width and a component of the direction that crosses the determined direction is detected.

14. A display device for presentation formed by a pointing device provided with means for detecting angular velocity in a horizontal direction and in a vertical direction and means for transmitting the detected angular velocity information and a display device provided with receiving means for receiving the angular velocity information transmitted from the pointing device and a function for moving an image such as a cursor and a point displayed on a screen according to a movement amount acquired by sampling the received angular velocity information, comprising:

means for comparing a component in a horizontal direction (the x-axis component) of the movement amount first acquired after the pointing device is reset and a component in a vertical direction (the y-axis component), judging that a movement input is provided only in the horizontal direction in case the absolute value of the x-axis component is larger than the absolute value of the y-axis component and judging that a movement input is provided only in the vertical direction in case the absolute value of the y-axis component is larger than the absolute value of the x-axis component;

means for judging that a movement input is continuously provided only in the horizontal direction in case the coordinates of a movement amount input next or subsequently after the movement input is provided only in the horizontal direction are located in leading-in areas encircled by straight lines $y = ax$ and $y = -ax$ ($a > 1$) having the x-axis between them and judging that a movement input is provided only in the vertical direction in case the coordinates are located outside the above-mentioned areas; and

means for judging that a movement input is continuously provided only in the vertical direction in case the coordinates of a movement amount input next or subsequently after the movement input is provided only in the vertical direction are located in leading-in areas encircled by straight lines $y = x/a$ and $y = -x/a$ having the y-axis between them and judging that a movement input is provided only in the horizontal direction in case the coordinates are located outside the above-mentioned areas.

15. A display device for presentation according to Claim 14, comprising:

means for monitoring a calculated value of a movement amount while a movement input is provided only in a horizontal direction or in a vertical direction; and

means for changing the inclination a of straight lines in case a component in the horizontal direction of a movement amount or a component in the vertical direction increases or decreases by fixed width.

16. A display device for presentation according to Claim 14, comprising:

means for monitoring a calculated value of a movement amount while a movement input is provided only in a horizontal direction and judging that a movement input is provided only in a vertical direction in case the absolute value of a component in the horizontal direction of a movement amount decreases by fixed width and a component in the vertical direction is detected; and

means for monitoring a calculated value of a movement amount while a movement input is provided in the vertical direction and judging that a movement input is provided only in the horizontal direction in case the absolute value of a component in the vertical direction of a movement amount decreases by fixed width and a component in the horizontal direction is detected.